



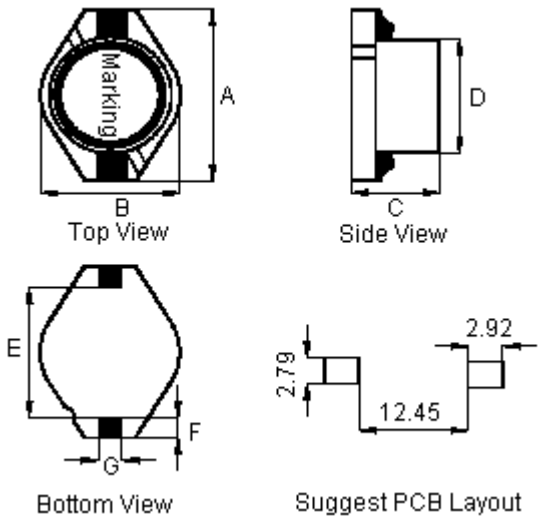
PART NO.

MCBFS7330-101MU

REVISIONS

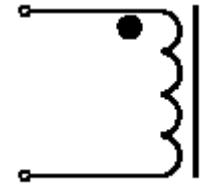
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Arun	19/2/11	Jagan	19/2/11	Farnell	7/3/11

Configurations and Dimensions



A	18.54 mm	Maximum
B	15.24 mm	Maximum
C	7.62 mm	Maximum
D	12.7 ±0.3 mm	-
E	12.7 mm	Reference
F	2.54 mm	Reference
G	2.54 mm	Reference

Schematic Diagram



Note:

- (1) Wire Ø0.37mm x 1P 2UEWF 155°C
- (2) 38.5TS (Reference)

Marking : 101 YY : Year
YYWW WW : Week

Electrical Characteristics (at 25°C)

Test Condition		
100KHz 0.1V	L	100µH ±20%
at 25°C	DCR	207mΩ (Maximum)
100KHz 0.1V I _{rms} = 1.7A	L at I _{rms}	ΔT40°C (Maximum)

Operating temperature: -55°C to +130°C

Note: I_{rms} Temperature Rise 40°C

Test Data for Mechanical

Test Item	A mm	B mm	C mm	D mm	E mm	F mm	G mm
Specification	18.54 (Maximum)	15.24 (Maximum)	7.62 (Maximum)	12.7 ±0.3	12.7 (Reference)	2.54 (Reference)	2.54 (Reference)
1	17.96	14.01	6.95	12.68	12.9	2.54	2.54
2	17.95	14.03	6.96	12.65	12.91	2.51	2.55
3	17.96	14.01	6.95	12.67	12.86		2.54
4	17.93	14.05	6.98	12.64	12.89	2.56	2.51
5	17.95	14.01	6.97	12.66	12.9		2.55
Average	17.95	14.02	6.96	12.66	12.89	2.54	2.54

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2011.

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Arun	19/02/11
CHECKED BY:	DATE:
Jagan	19/02/11
APPROVED BY:	DATE:
Farnell	07/03/11

DRAWING TITLE:

Inductor

SIZE A	DWG NO. M10003466	ELECTRONIC FILE BFS7330-101MU	REV A
SCALE: NTS	U.O.M.: mm	SHEET: 1 OF 3	



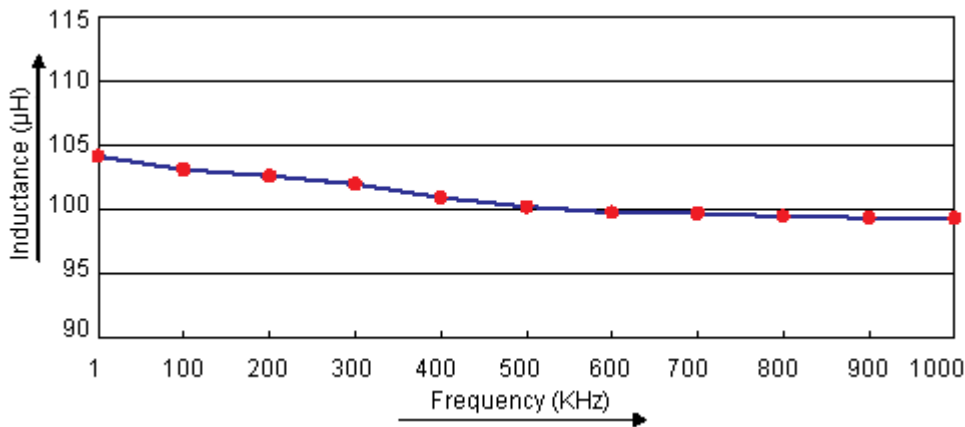
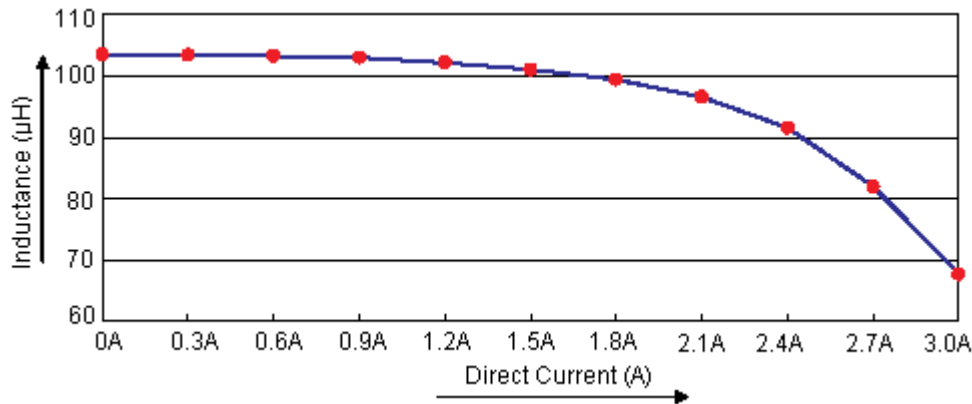
PART NO.

MCBFS7330-101MU

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Arun	19/2/11	Jagan	19/2/11	Farnell	7/3/11

Electric Characteristics



Test Data for Electrical

Test Item	L µH	DCR mΩ	L at I _{rms} µH
Condition	100KHz 0.1V	at 25°C	100KHz 0.1V I _{rms} = 1.7A
Specification	100 ±20%	207 (Maximum)	ΔT40°C (Maximum)
1	102.07	147.85	OK
2	100.87	150.05	OK
3	99.73	148	OK
4	100.81	147.17	OK
5	101.52	149.59	OK
Average	101	148.53	OK

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2011.

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Arun	19/02/11
CHECKED BY:	DATE:
Jagan	19/02/11
APPROVED BY:	DATE:
Farnell	07/03/11

DRAWING TITLE:

Inductor

SIZE A	DWG NO. M10003466	ELECTRONIC FILE BFS7330-101MU	REV A
SCALE: NTS	U.O.M.: mm	SHEET: 2 OF 3	



PART NO.

MCBFS7330-101MU

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Arun	19/2/11	Jagan	19/2/11	Farnell	7/3/11

Reliability Test

Test Item	Specifications	Test Method and Remarks
Operating temperature range	-55°C to +130°C	Including temperature rise due to self-generated heat.
Storage condition	Ambient temperature : 0°C to 40°C Humidity : Below 70%RH	To maintain the solderability of terminal electrodes, care must be taken to control temperature and humidity in the storage area.
Moisture sensitivity	Appearance : No abnormality No damage DCR change : Within ±20% Inductance change : Within ±20%	According to J-STD-020B level 3 Test condition : 60°C 60% RH Test duration : 40 hours Recovery : 1 to 2 hours of recovery under the standard condition after the removal from the test chamber.
Solderability	All termination shall exhibit a continuous solder coating free from defects for a minimum 90% of the surface area of any individual lead.	According to J-STD-002B Steam aging category : 97°C 98% RH Steam aging duration : 8 hours Solder : Lead-free solder Solder temperature : 260 ±5°C Dip time : 5 +0/-0.5 seconds.

Material List

No.	Item	Material Description
1	Core	N5D DR9.7 x 5.8 N5D RI12.7 x 5.7 x 10.8
2	Wire	Ø0.37mm x 1P 2UEWF 155°C
3	Solder (Lead Free)	99.3%Sn / 0.7%Cu
4	Glue	TH320D / TH320-3
3	Base	DR13-RT-A DAP

Part Number Table

Description	Part Number
Inductor, 100µ H, 20%, 2A	MCBFS7330-101MU

<http://www.farnell.com>

<http://www.newark.com>

<http://www.cpc.co.uk>

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2011.

TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Arun	19/02/11
CHECKED BY:	DATE:
Jagan	19/02/11
APPROVED BY:	DATE:
Farnell	07/03/11

DRAWING TITLE:			
Inductor			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10003466	BFS7330-101MU	A
SCALE: NTS	U.O.M.: mm	SHEET: 3 OF 3	